

# MINING NEWS Here and Elsewhere

Edited By  
**ANSON H. SMITH**

## YUCCA TUNGSTEN ONE OF GREATEST PRODUCERS IN U.S.

There Are Few If Any Mines Producing More Tungsten In the U. S. a Carload Concentrates Running \$40,000 Shipped Every 35 Days

One of the greatest tungsten mines in the world is located in Mohave county. Would you believe it? It is the property of the Yucca Tungsten company and has been operated quietly the past three years, at first in a small way, but now with a force of from 40 to 50 men. It started out with the opening of the mines by a short tunnel that reached into the vein and then along the vein several hundred feet. As soon as the ore was opened sufficiently to know that sufficient ore was in sight to maintain a small mill, a crushing plant and several hand jigs were installed. The management was placed in the hands of Harvey Klotzsch, who is still at the head of the company's affairs.

Within the year, after the installation of the little mill, more than \$100,000 worth of tungsten was shipped to the buyers and another tunnel run into the vein at a lower level. During the year estimates were made and a new mill designed. This mill, with an auxiliary power plant has been built and is in commission. It has a capacity of 60 tons of ore daily and is being run to full capacity. It is turning out a carload of tungsten concentrates monthly ranging from 65 to 71 per cent tungstic acid and valued at better than \$40,000 per car. A residue is being piled up that carries values of about 2 per cent tungsten and 6 to 8 per cent copper that will later be treated by oil flotation, the copper being extracted and the tungsten later being saved on a slime table. In this way the saving of tungsten will be increased many tons monthly and a carload of copper concentrates also being obtained. The copper will pay the greater part of the cost of operating the mine and mill.

The Yucca Tungsten property is situated about 16 miles easterly from Yucca, in what is known as the Copper World country. Its holdings embrace a large acreage of mineralized ground, although only a small part of its land has been actively developed. Three tunnels have been run into the main vein, which is opened to a depth of several hundred feet. The lower tunnel is in 500 feet on the vein and from the level a shaft has been sunk 100 feet in the ore. Levels have been carried off from the bottom of the shaft in splendid ore. The opening of the ore body at this level established its permanency and richness. The vein has good width and can be depended upon to furnish ore enough for the larger milling plant that is being designed.

Tests are now being carried on for the purpose of installing an oil flotation plant to handle the tails from the jigs and tables, and if successful the new plant will soon be in commission.

All shipments of concentrates are under government license, the government taking over the entire product of the mine. These shipments are made to the York Metal and Alloy company, of York, Pa., which is said to be one of the largest users of tungsten in the world. The company is also a large shareholder in the Yucca Tungsten and have needs of greater production, which would indicate that a bigger mill and more miners will necessarily follow the demand.

The Yucca Tungsten is producing one of the most important metals that our work demands and nothing should stand in the way of aiding the company in maintaining its production. It is right now under the orders of the government and every pound of metal it produces goes into the hands of the firms manufacturing government supplies.

## NEW MILL FOR STANDARD MINERALS WILL BE IN OPERATION BY NOVEMBER

The Standard Minerals company is assembling its milling machinery at the mine and expect to have the plant in commission by the first of November. The mill will have a capacity of 50 tons and will be so arranged in units that another 50-ton plant can readily be added. All the machinery has been purchased and part of it is already in Kingman, going forward to the mine every day. Other machinery for the mine has also been received and is being sent out. F. G. Lewis is to be the erector of the big plant and is now on the ground, where excavation is under way.

The property of the Standard Minerals company is about 20 miles east of Kingman, on the north end of the Wallapai mountains. The property is opened by shaft to a depth of 350 feet, crosscuts being run into the vein and drifts being run. Stopes will soon be opened to allow of the easy extraction of the recently opened high grade ore bodies.

## ARIZONA COPPER OUTPUT FOR THE MONTH OF JULY, 1918.

NAME OF COMPANY—	Production of Copper, July, 1918
Arizona Copper Co. (Clifton) .....	4,000,000
Phelps-Dodge Corporation (Morenci) .....	1,530,000
Shannon Copper Co. (Metcalf) .....	794,225
Arizona Commercial Mining Co. (Globe) .....	530,000
Iron Cap Copper Co. (Globe) .....	1,000,000
United Verde Copper Co. (Jerome) .....	6,710,000
Old Dominion (Globe) .....	2,533,000
Con. Arizona Smelting & Refining Co. (Humboldt) .....	1,430,000
American Smelting & Refining Co. .....	15,000,000
Miami Copper Co. (Miami) .....	4,793,000
Phelps-Dodge Corp. (Bisbee, Douglas) .....	17,000,000
New Cornelia (Ajo) .....	3,900,000
Inspiration (Miami) .....	8,792,976
United Verde Extension (Jerome) .....	3,100,000
Shattuck Arizona (Bisbee) .....	672,024
Denn Arizona (Bisbee) .....	548,188
Calumet & Arizona (Bisbee) .....	4,214,000
Totals .....	76,647,613

July results were attained on a 31-day month as was also the May record when revised figures showed 76,573,507 pounds. The production for the last three months makes certain, unforeseen interferences excepted, that Arizona will show a monthly average of over 75,000,000 pounds of copper for the year 1918. Practically every pound of Arizona copper is going directly into war usage. In gain in production of the metal for aid in defeating the kaiser, Arizona miners and mine operators are leading all copper producing divisions of the world by a liberal margin. The July record, in the face of the unusual heat and some other untoward conditions, is a particularly brilliant record for the Arizona men above and below the surface in the copper industry and a splendid confirmation of the claims which have been made that patriotism is more responsible than the dollar for the Arizona record in the present year.

Money being earned by the Arizona producers of copper on their output is materially less than the earnings of 1916 and 1917. Wages being earned by the operatives of Arizona mines are the highest in the history of any mining division in the world in connection with the employment of large bodies of men, but their profits on their labor are not proportionately high, although greater than since 1916. While advances in wages have more than met increased costs of living, increased copper prices have not equalled the advances in cost of production. In addition, copper producers are delivering considerable metal contracted for before the government advanced the price from 28½ cents. Some of these contracts cover a number of months' production.

## ARTESIAN WATER FLOWS FROM WELL DRILLED OVER FORTY YEARS AGO

After having been drilled forty years ago and finding a dry hole, a well that was sunk in an effort to get artesian water is now flowing in Phoenix. The well was sunk by Joe Drew, well known lion hunter of southern Yavapai county. It has been flowing with increasing pressure the past two years and so strong is the flow now that it is to be recased and the water used for drinking and irrigating purposes. Water from the well has no real resemblance to the general run of water and few people like to use it for other than bathing purposes, but the artesian water is said to be really good.

## TINTIC BEING OPENED UP BY COL. J. C. RANKIN

Col. J. C. Rankin, one of the well known figures in the mining life of the southwest, has taken over the old Tintic and Merrybelle mines at Chloride. A hoisting plant has been installed on the Tintic and sinking will be soon under way. A tunnel is being driven on the Merrybelle mine and that property will be opened from that level.

The Tintic is one of the mines that in the early days produced some excellent ore from above water level, but owing to the heavy influx of water the old owners practically abandoned it. It has the earmarks of making good and with development to a depth of several hundred feet we believe it will be brought into the producing class. Col. Rankin is a good manager and we believe that he will make a success of the venture.

## MANAGER OF BRUNSWICK MINING COMPANY HERE

W. J. Cooke of the Brunswick Mining company, who has been in Chicago and other eastern cities on business, returned to Kingman Tuesday last and went to Chloride the following day. Mr. Cooke reports the weather in the east as very hot and that a return to Mohave county is a real pleasure.

It is understood that the reorganization of the Brunswick company and the taking over of the group of mines will be followed by active development of the property. The mines are situated in the midst of the big mineralized area close to the Tennessee and should be a winner.

## FINE SERVICE FLAG IS PRESENTED ODD FELLOWS

A beautiful service flag was presented to the local lodge of Odd Fellows after the close of lodge last Wednesday evening by the Rebekahs, the ladies auxiliary of that order.

The flag was a work of art created by the hands of the ladies themselves and carried eight stars, denoting the number of members of this lodge now in the service for Uncle Sam.

After the presentation, a war luncheon was served to all present and an enjoyable evening spent.

## THE GOLD TRAILS IS INSTALLING NEW HOIST

D. A. McMillan, of the Gold Trails Mining company, arrived in Kingman a few days ago and is getting machinery onto the mine, north of Little Meadows. The shaft on the property is to be sunk another 100 feet and some drifting is to be carried on. The company has been financed to carry on considerable development work, which contemplates opening the ore body at depth and ascertain its possibilities. Some excellent lenses of ore were opened in the upper workings of the property and it is intended to get under these old bodies at depth of close to 300 feet.

## LATE NEWS FROM JEROME AND VERDE DISTRICTS

The past week has been one of very little news of a character to create excitement in the mines of the Verde district, nothing new having been shown up in any development work at any of the various properties. In the stock market, local issues have shown only slight activity, a few sales being reported in United Verde Extension, Hull, Verde Combination, Gadsden and Jerome & Calumet. Gadsden, Hull and Extension were fairly strong, Combination off a trifle, while Calumet & Jerome reached a low point of 11-16 bid. Evidently no stock was offered at this low figure as no sales were reported.

Carpenters of the district, not in the employ of any of the various copper companies, demanded and were granted an increase to \$7.25 per day.

Jerome enjoys the unique distinction of being the highest priced town in the country when it comes to tonorial services. The Barbers' Union have put into effect a scale of prices which includes a raise to 35 cents for a shave and 75 cents for a hair-cut. Heretofore the prices charged in the district for such services were 25 and 50 cents.

United Verde Extension Rumors have been floating about that the United Verde Extension has opened up a fabulously rich deposit of silver during the past week. The reports were due to the fact that for some days they have been sacking ore which is said to run high in the white metal. These deposits have been known to exist, having been found just on top of the ore body and in a sort of sand, the metal being mostly in the shape of native silver.

No more shipments of ore are being made to custom smelters, all the product of the mine being now transported to the smelter at Verde. While Extension showed a relatively small production in pounds of copper last month, the extraction from the mine was somewhat above the average. It is anticipated that with the blast furnace running smoothly, it will be possible to bring the output of copper up to around the 5,000,000 mark.

Jerome Verde The raise to connect the Main top ore body with the 1100 level will be completed by the first of the week and within a short time thereafter it will be possible to extract the ore from the 900 and above and bring the same to the surface via the Columbia shaft. It is anticipated that some announcement will be made in the near future as to the company's policy relative to shipments. No new developments are reported in any of the other places being worked at this property.

## GOLD PRODUCERS MEETING AT RENO ASK FOR RELIEF

RENO, Nev., August 14.—The large meeting of gold producers of America, especially the western states, concluded a three-day session here today. It was demonstrated that the costs of production of gold had increased at least 60 per cent over pre-war conditions, and that during the past six months the increased costs have been heavy. The sentiment of the meeting favored a bonus of ten dollars per ounce on gold until such time as costs decreased. A fixing board was advocated that would from time to time arrange a new schedule covering either increased or decreased costs. The convention declared against any change in the minting ratio of gold, because of the disorganization of the money of the world.

A committee was appointed to go to Washington to present the matter to the government, carrying with the facts and figures on gold production. It can show that many mines in the mining states of the west are running at close margin, while others have been compelled to close down because of high costs and inability to make it pay. The resolutions adopted are as follows:

"Relief by the United States to the gold producers of this country to correspond with the increased cost of production, the extent of such relief to be fixed from time to time to meet changing conditions.

"That nothing contained in these resolutions as passed is to be construed as meaning an intention to alter the amount of gold in the dollar or to place a premium on gold."

The convention then voted to make the organization permanent with representatives from all the gold-producing states and to open an office in Reno for the transaction of future business.

J. A. Burgess, of the United Eastern, was the only representative from Mohave county, but he was one of the best posted men at the meeting, having had reason to investigate the subject during the past six months or more on account of the direct issue between the gold mines and the copper mines owing to the high copper scale of wage, and the corresponding tightening of the labor market.

Mr. Burgess wired the Miner the result of the conference from which the above article is revised.

## MOSSBACK AT OATMAN GETTING INTO BIG ORE

Richard Mangrum, who recently installed the hoisting and compressor plant for the Mossback company, returned from the mines Thursday and reports that the shaft is now down 340 feet and in one that pans close to \$100 to the ton in gold. The shaft has been in the same grade of ore for at least 80 feet, but as the crosscut has been run to ascertain its width nothing is known of its extent. The vein is an immense one and it is possible that the ore lense may be of great width at the point where the shaft entered the ore body.

The shaft is being carried down as fast as possible and no drifting or crosscuts will be run until the 500 is reached, when the mine to that depth will be exploited thoroughly. The property is one of the most promising in the Silver Creek region, which is the confluence of the Oatman and Gold Road vein systems.

MINING INVESTMENTS  
All authorities agree that a gold boom is due. We can now offer you a special opportunity.  
BLACK BROS. BROKERS  
Oatman Black Bldg.  
Los Angeles, Cal.

## TUCKAHOE MINE NEAR CHLORIDE GOING AHEAD IN DEVELOPMENT WORK

Col. J. Herman Aagard of Los Angeles, has taken option on the Tuckaho mine at Chloride, and is installing the hoisting plant formerly operated on the Pictured Rock mine at Oatman on it. An engine and air drills was purchased from Stewart Thompson this week and have been sent out to the mines. Col. Aagard expects to have everything in readiness to begin the sinking of the shaft on the property within the next ten days.

The Tuckaho is one of the old properties of Chloride and was a producer in the early days. The surface ores were handled by leasers, the silver being recovered by the leaching process. After the workings passed into the sulphide zone the ore was shipped to the smelter, bringing good results. The opening of the mine at lower levels is sure to open up big bodies of rich silver ore.

Col. Aagard, who has taken over this property, is a well known figure in military life, having equipped a company in the early stages of the entry of the United States into the war, and has been active in other war work.

## L. H. FOSTER CLOSES WITH CACTUS QUEEN

L. H. Foster has recently closed a contract for the patenting of a large number of claims in the Cactus Queen section in the country to the south of Kingman and has already started the preliminary work.

Drafting,  
Maps,  
Underground Surveys

## MOHAVE ASSAY & ENGINEERING OFFICE

New Modern Plant  
Phone Blue 127

One Block East  
Arizona Central Bank

## L. H. FOSTER

CIVIL ENGINEER

## U.S. Mineral Surveyor

Patent and Underground Surveys

Kingman, Arizona.

## The Tarr, McComb & Ware Commercial Co.

Has a reputation for always having on hand a complete stock of

## MINE SUPPLIES

Corrugated Iron  
Blacksmith Coal  
Mine Rails  
Ore Cars  
Ore Buckets  
Air Hose  
Rubber Belting  
Wire Rope  
Pipe

Pipe Fittings  
Drill Steel  
Soft Steel  
Fuel Oil  
Petroleum Gas Oil  
Distillate  
Lubricating Oil  
Automobile Tires  
Truck Tires

## Tarr, McComb & Ware Com'l Co.

KINGMAN

OATMAN

CHLORIDE